

NAEP in Montana

MT NAEP Students in relation to variables

Cognitive Data

Mathematics Average Scale Score ranges from 0 to 500.

MATH Grade 4 2011

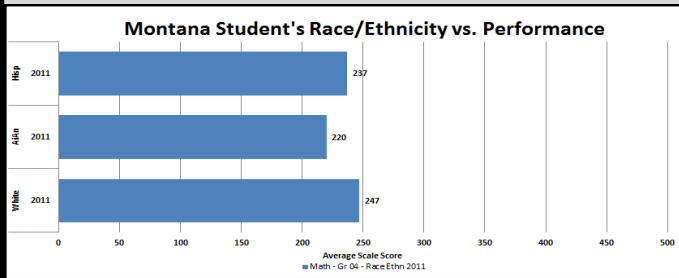


Figure 1. Montana Student's Race/Ethnicity vs. Performance. This chart depicts the Average Scale Scores for Ethnic groups (White, American Indian/Alaska Native and Hispanic) in MT.

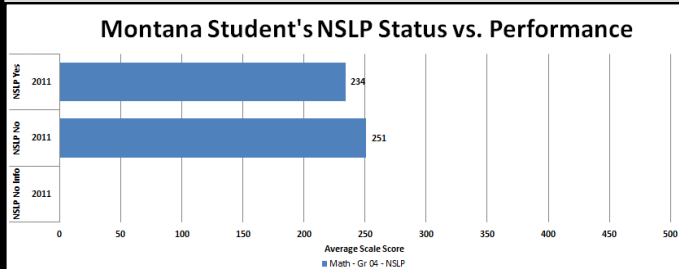


Figure 2. Montana Student's NSLP Status vs. Performance. This chart depicts the Average Scale Scores for NSLP students in MT.

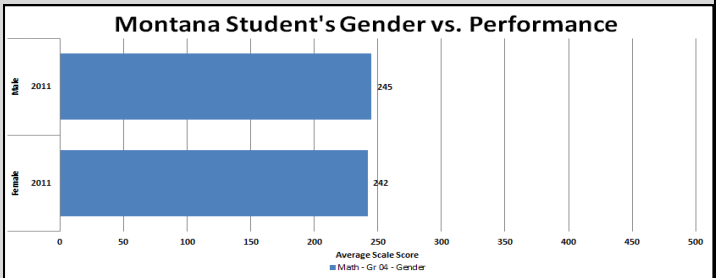


Figure 3. Montana Student's Gender vs. Performance. This chart depicts the Average Scale Scores for male and female students in MT.

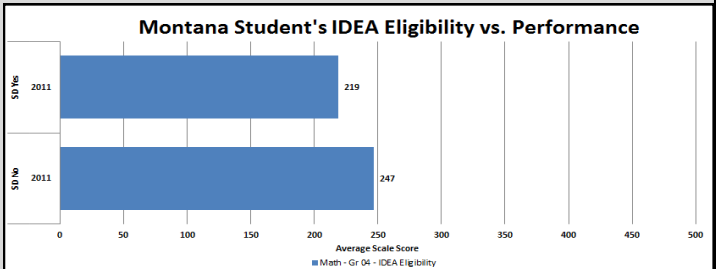


Figure 4. Montana Student's IDEA Eligibility vs. Performance. This chart depicts the Average Scale Scores Students with Disabilities (SD) in MT.

Montana vs. National Public

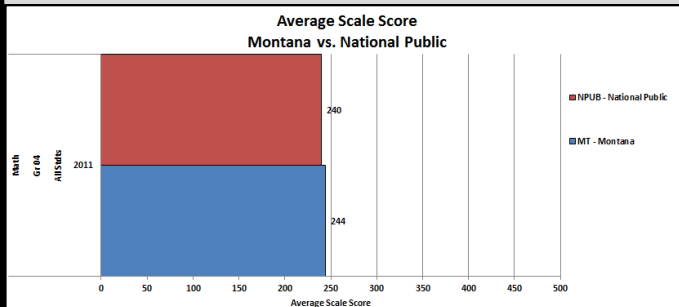


Figure 5. Montana (MT) versus the National Public (N PUB). This chart depicts the average scale scores for MT students and the N PUB.

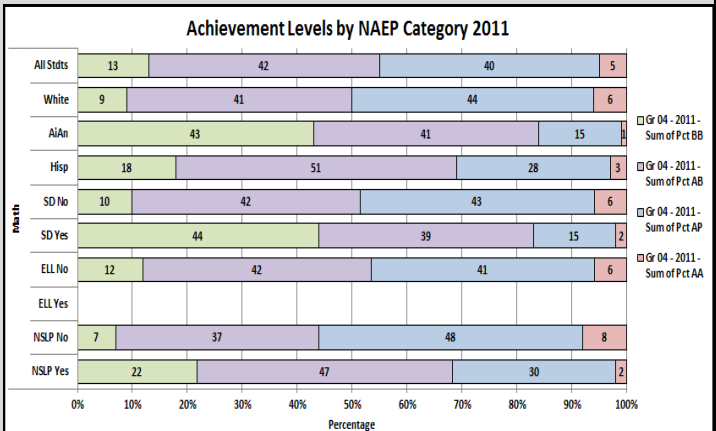


Figure 6. Achievement Levels by NAEP Category. This chart depicts the percent of students below Basic (BB), at Basic (AB), at Proficient (AP) and at Advanced (AA) in MT.

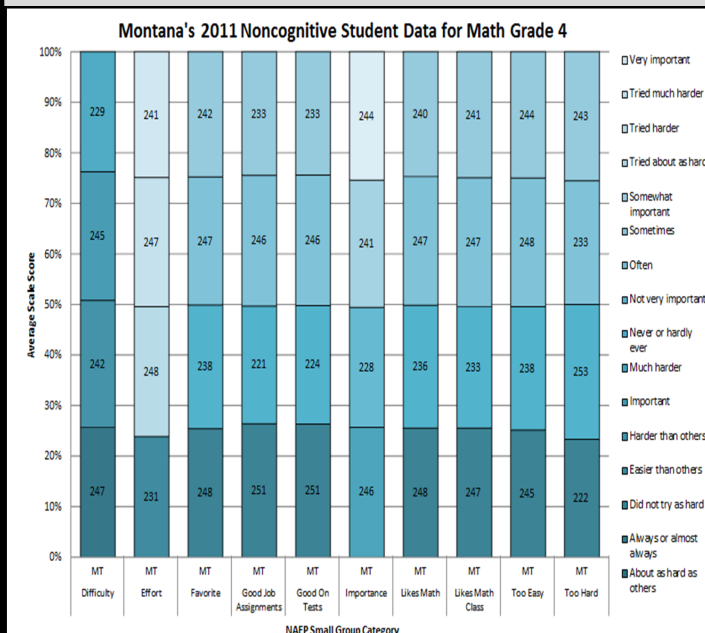
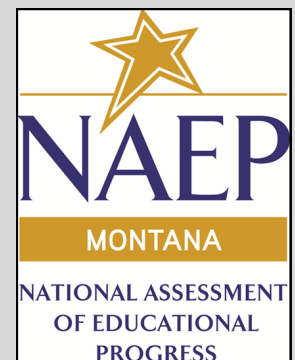


Figure 7. (Left) Average scale score performance versus NAEP Small Group Category. This chart depicts the student factors: *Difficulty, Effort, Favorite, Good Job Assignments, Good On Tests, Importance, Likes Math, Likes Math Class, Too Easy and Too Hard.*



Ashley McGrath
NAEP State Coordinator
Office of Public Instruction
amcgrath@mt.gov

Montana Math Grade 4 2011

Group Token	Group Category	Avg. scale score	PctTested	Pct BB	Pct AB	Pct AP	Pct AA	Pct AAB	Pct AAP
AiAn	Race Ethn 2011*	220	11	43	41	15	1	57	16
Hisp	Race Ethn 2011*	237	4	18	51	28	3	82	31
White	Race Ethn 2011*	247	82	9	41	44	6	91	50
NSLP No	NSLP*	251	57	7	37	48	8	93	56
NSLP No Info	NSLP*	NO DATA	"	"	"	"	"	"	"
NSLP Yes	NSLP*	234	43	22	47	30	2	78	31
Female	Gender	242	50	14	43	38	4	86	43
Male	Gender	245	50	12	40	41	6	88	48
SD No	IDEA Eligibility*	247	90	10	42	43	6	90	49
SD Yes	IDEA Eligibility*	219	10	44	39	15	2	56	17
Montana Math Grade 4 2011-Achievement Levels									
Group Token	Group Category	Avg. scale score	PctTested	Pct BB	Pct AB	Pct AP	Pct AA	Pct AAB	Pct AAP
ELL No	English Lang Lnr*	245	98	12	42	41	6	88	46
ELL Yes	English Lang Lnr*		2						
Group Token	Group Category	Avg. scale score	PctTested	Pct BB	Pct AB	Pct AP	Pct AA	Pct AAB	Pct AAP
HS Grad No	Parent Educ	NO DATA	"	"	"	"	"	"	"
HS Grad Yes	Parent Educ	NO DATA	"	"	"	"	"	"	"
Some Higher Ed	Parent Educ	NO DATA	"	"	"	"	"	"	"
Grad College	Parent Educ	NO DATA	"	"	"	"	"	"	"
Ed Unknown	Parent Educ	NO DATA	"	"	"	"	"	"	"
City	Schl Loc	246	25	12	40	43	6	88	49
Rural	Schl Loc	241	41	15	43	38	4	85	42
Suburb	Schl Loc		1						
Town	Schl Loc	246	33	12	41	41	6	88	47
Juris Token	Group Category	Avg. scale score	PctTested	Pct BB	Pct AB	Pct AP	Pct AA	Pct AAB	Pct AAP
NPUB	All students	240	100	18	42	33	6	82	40
MT	All students*	244	100	13	42	40	5	87	45

Note: detail may not sum to totals because of rounding

* = used for calculating achievement levels

Montana (All Students) Math Grade 4 2011

Subject	Grade	Response	NAEP Small Group	Avg. scale score	PctTested
Math	Gr 04	Easier than others	Difficulty	242	45
Math	Gr 04	About as hard as others	Difficulty	247	40
Math	Gr 04	Harder than others	Difficulty	245	11
Math	Gr 04	Much harder	Difficulty	229	4
Math	Gr 04	Did not try as hard	Effort	231	14
Math	Gr 04	Tried about as hard	Effort	248	43
Math	Gr 04	Tried harder	Effort	247	22
Math	Gr 04	Tried much harder	Effort	241	21
Math	Gr 04	Never or hardly ever	Favorite	238	22
Math	Gr 04	Sometimes	Favorite	242	26
Math	Gr 04	Often	Favorite	247	18
Math	Gr 04	Always or almost always	Favorite	248	33
Math	Gr 04	Never or hardly ever	Good Job Assignments	221	4
Math	Gr 04	Sometimes	Good Job Assignments	233	22
Math	Gr 04	Often	Good Job Assignments	246	33
Math	Gr 04	Always or almost always	Good Job Assignments	251	40
Math	Gr 04	Never or hardly ever	Good On Tests	224	5
Math	Gr 04	Sometimes	Good On Tests	233	24
Math	Gr 04	Often	Good On Tests	246	30
Math	Gr 04	Always or almost always	Good On Tests	251	41
Math	Gr 04	Not very important	Importance	228	2
Math	Gr 04	Somewhat important	Importance	241	9
Math	Gr 04	Important	Importance	246	26
Math	Gr 04	Very important	Importance	244	63
Math	Gr 04	Never or hardly ever	Likes Math	236	13
Math	Gr 04	Sometimes	Likes Math	240	25
Math	Gr 04	Often	Likes Math	247	25
Math	Gr 04	Always or almost always	Likes Math	248	37
Math	Gr 04	Never or hardly ever	Likes Math Class	233	10
Math	Gr 04	Sometimes	Likes Math Class	241	31
Math	Gr 04	Often	Likes Math Class	247	29
Math	Gr 04	Always or almost always	Likes Math Class	247	30
Math	Gr 04	Never or hardly ever	Too Easy	238	16
Math	Gr 04	Sometimes	Too Easy	244	49
Math	Gr 04	Often	Too Easy	248	22
Math	Gr 04	Always or almost always	Too Easy	245	12
Math	Gr 04	Never or hardly ever	Too Hard	253	32
Math	Gr 04	Sometimes	Too Hard	243	53
Math	Gr 04	Often	Too Hard	233	10
Math	Gr 04	Always or almost always	Too Hard	222	6